U.S. FLEET CYBER COMMAND / U.S. TENTH FLEET OPERATIONAL UPDATE
Thanksgiving 2014

The last Thursday each November is a cherished time of year when our country pauses briefly to express gratitude and give thanks for what we have. In this spirit, allow me therefore to take a moment to say I am personally grateful for the remarkable work you do every day for our Navy and our Nation.

In the three months since my last operational update newsletter (just before Labor Day), the outstanding team of uniformed and civilian professionals comprising the U.S. Fleet Cyber Command/U.S. TENTH Fleet (FCC/C10F) forces have remained vigilant, always on as our mission never sleeps. During this period the entire team consistently drove operational success across our mission sets and I again thank you for your tireless dedication. That indefatigable determination was recognized earlier this month when the Secretary of the Navy, Hon. Ray Mabus, awarded FCC/C10F and several operational subordinate commands - Naval Network Warfare Command, Navy Cyber Defense Operations Command, Navy Information Operations Command Norfolk, and Navy Information Operations Command San Diego - the Navy Unit Commendation for their combined actions during Operation Rolling Tide. We are grateful that current and past teammates who fought and maneuvered the network during the operation were honored and thank all who contributed.

In the coming days, if you are able to spend some time with family and friends during the Thanksgiving holiday, I again ask you to consider sharing the accomplishments and daily contributions of the global team of which you are part. The unclassified snapshots below capture some examples of our global contribution.

For those forward deployed and on watch over the holiday, and to the entire team, I thank you again for your unwavering dedication and please convey my respect and admiration to your families for their ongoing sacrifices that continue to make your service possible. Happy Thanksgiving, Shipmates!

- Vice Adm. Jan E. Tighe, Commander, U.S. Fleet Cyber Command/U.S. TENTH Fleet
Fort Meade, Maryland, November 24, 2014

Commander Task Force (CTF) 1070/Navy Information Operations Command Hawaii (NIOC Hawaii)

NIOC Hawaii focuses on developing qualified personnel to work the National mission as well as delivering Information Warfare support to the Fleet.

- Sailors from NIOC Hawaii's Direct Support Detachment have worked closely with U.S. allies assisting with fleet operations, cyber operations, and counterterrorism missions on a daily basis over the past months and throughout the year, furthering the President's directed rebalance to the Pacific. Their dedicated work has continued to develop and strengthen foreign relations and partnerships.

- Civilians and Sailors from NIOC Hawaii participated in CYBER FLAG 15-1, which wrapped up Nov. 7, at Nellis Air Force Base. The exercise provided realistic training opportunities in a virtual environment where participants faced a realistic cyber event, a dynamic environment, and a skilled adversary. Valuable lessons and insights learned will be used to improve training and readiness in the future.

- Looking back, this past Summer during the Rim of the Pacific exercise (RIMPAC), the largest coalition exercise since WWII, involving 42 ships, NIOC Hawaii's Direct Support teams embarked on board 10 U.S. Navy and Coast Guard vessels and provided critical intelligence support to the fleet, issuing over 550 time sensitive reports.

CTF1010/Naval Network Warfare Command (NAVNETWARCOM)

CTF 1010 executes tactical-level command and control of Navy networks and leverages Joint Space capabilities for Navy and Joint Operations. NAVNETWARCOM is a team of military and civilian cyber professionals who operate, maintain, and protect the Navy's portion of Department of Defense Information Networks (DoDIN) in supporting global Fleet missions, afloat and ashore. NAVNETWARCOM professionals over the past three months led:

♦ Oversight and transition to the new multi-billion dollar Next Generation Enterprise Network (NGEN) contract in partnership with various SPAWAR program offices and Hewlett Packard Enterprise Services. NAVNETWARCOM is using NGEN to employ the best industry standards and practices in order to deliver modernized connectivity to Navy warfighters

♦ The ongoing, continual Information Assurance (IA) process of directing actions and configurations to ensure the confidentiality, integrity, and availability of data, as well as the security of hardware and software components, documentation, and procedures as well as monitoring of events that occur throughout the IT infrastructure to allow for normal network operation.

CTF1020/Navy Cyber Defense Operations Command (NCDOC)

The NCDOC team of military and civilian cyber warriors process nearly 100 million sensor alerts each month to proactively mitigate threats and thereby assure the Navy's ability to command and control warfighting networks supporting Combatant/Fleet Commander missions worldwide.

♦ NCDOC was awarded the Enlisted Information Dominance Warfare Specialist (EIDWS) Pennant, and is one of only a small number of IDC Commands throughout the entire Navy to receive this recognition.

CTF 1040/Navy Information Operations Command Texas (NIOC Texas)

In the second half of calendar year 2014, NIOC Texas Sailors and Civilians continue to surpass all operational requirements for USOUTHCOM, C10F, and C4F through technical expertise, tireless dedication, and leadership ashore and afloat:

♦ CTF 1040 Battle Watch provided Indications and Warning (I&W) for multiple USN, USCG, and allied vessels to include Great Britain, Canada, France, and the Netherlands. The Battle Watch ensured allied vessels' safety and mission effectiveness while increasing counter-narcotic disruptions over 200% for the same period last year.

♦ CTF1040 deployed Sailors afloat, in the air, and under the seas to provide direct support for vessels prosecuting assigned missions while accumulating over 1,000 hours afloat and over 200 flight hours.

♦ NIOC Texas Sailors provided Battle Damage Assessments for coalition airstrikes conducted in the Middle East and North Africa, produced tailored intelligence in support of AOR operations, and enabled foreign partner operations leading to hundreds of high value counterterrorism targets being taken into custody and the partial disruption of terrorist support networks in the U.S. CENTCOM and U.S. EUCOM AORs.

♦ The 600 Combat Mission Team (CMT) has been working diligently is 2014 to train and qualify Sailors to conduct the team certification exercise and meet Full Operating Capability (FOC) requirements. This will provide cyberspace operations capabilities to USCYBERCOM in support of U.S. SOUTHCOM priorities.

Naval Satellite Operations Center (NAVSOC)

NAVSOC is underway with the Fleet every day. Executing on average 193 contacts with 23 payloads on 13 satellites, NAVSOC delivers 24/7, secure, reliable global communications to the Fleet, the Joint warfighter and Interagency.

♦ NAVSOC is in final preparations for the upcoming launch of the third satellite of the Mobile User Objective System (MUOS) constellation in January 2015, with rapid launch of the fourth in the Summer 2015, and MUOS 5 in 2016. MUOS is the replacement for the Ultra High Frequency Follow-On (UFO) program and FLTSAT satellite constellation. It provides 10 times more bandwidth than UFO, and is the future of DOD Narrowband SATCOM. This revolutionary technology will provide the tactical warfighter on the ground, afloat and in the air, with capability similar to 3G cellphone, enabling global communications on the move, across every AOR and in support of every Combatant Command or COCOM.

CTF1030/Navy Information Operations Command Norfolk (NIOC Norfolk)

NIOC Norfolk's Fleet Electronic Support Sailors ensure hundreds of systems are groomed, installed, optimized, and certified onboard combatants, guaranteeing warfighters access to the finest specialized collection systems available. The latest groundbreaking effort proved the viability of select capabilities onboard a Joint High Speed Vessel for intelligence, surveillance and reconnaissance missions. Other recent NIOC Norfolk contributions include:

♦ The Electronic Warfare Technical Guidance Unit (EWTGU) spearheading Fleet training and readiness efforts to bolster Electronic Warfare and Cryptology operational proficiency. Supporting CSG 4 and CSG 12, EWTGU trainers provided Electronic Warfare and Cryptologic training for five ROOSEVELT Carrier Strike Group (CSG) units during their Fall 2014 group sail. This training will help prepare CSG 12 units for their January 2015 COMPTUEX.

♦ Navy Blue Team conducting numerous assessments supporting the computer security inspection process. These assessments take place worldwide, providing detailed network analysis for Navy commands, both ship and shore, and these Sailors are instrumental in mitigating vulnerabilities and defending Navy networks. Navy Red Team participated in exercises Valiant Shield and Bold Alligator 2014, providing a realistic adversary, for the scenario-driven, tactical exercises that validated integrated expeditionary warfare with Joint and Coalition units operating at the ESG and MEB level.

♦ The Information Operations (IO) Readiness and Ops/Plans team preparing the USS Roosevelt Carrier Strike Group IO cell for their upcoming COMPTUEX and deployment.

♦ NIOC Norfolk's Naval OPSEC Support Team provided an OPSEC and social media vulnerability brief via webinar to over 50 Ombudsman located throughout the country earlier this Fall and worked with the Navy's social media branch at CHINFO to push the OPSEC message on the Navy's Facebook page.

CTF 1050/Navy Information Operations Command Georgia (NIOC Georgia)

NIOC Georgia is a subordinate command of U.S. Fleet Cyber Command and comprises Task Force 1050 of the U.S. 10th Fleet. Based at Fort Gordon, its mission is to provide Information Warfare and Cryptologic expertise and personnel to Fleet Air, Surface, Submarine and Special Warfare Combatants and to provide reachback and extended staff support to U.S. CENTCOM and EUCOM Joint Forces Maritime Component Commanders.

♦ NIOC Georgia Sailors deployed onboard multiple airborne platforms, surface and subsurface combatants in the FIFTH and SIXTH Fleet areas of responsibility (AOR), providing real-time indications and warnings to tactical, operational and strategic commanders in those theaters.

♦ NIOC Georgia Sailors and civilians conducted operations in the FIFTH and SIXTH Fleet AOR throughout the year; these afloat and remote operations required extensive cryptologic expertise, linguistic skills and in-depth regional knowledge to support military and combat operations throughout the region.

Navy Computers and Telecommunications Area Master Station Atlantic (NCTAMS LANT)

NCTAMSLANT's operation of communications and computer technologies is key to ensuring the warfighter has access to the right information at the right time. Recent examples include:

♦ As USS BATAAN, USS MESA VERDE, and USS GUNSTON HALL steam home to complete a 10 month forward deployment, NCTAMS LANT is directly involved in supporting this Expeditionary Strike Group's return to their homeport of Norfolk, Virginia. NCTAMS LANT provided critical communications support to the ships, embarked staff and Marines throughout the deployment, and is prepared to connect the ships to in-port services upon their long awaited return.

♦ NCTAMS LANT has contributed extensively to the execution of exercise BOLD ALLIGATOR 2014, an annual multinational littoral warfare exercise hosted that the United States hosts. The exercise involves 14,000 marines, Sailors, airmen and soldiers, comprising more than 25 ships from eleven countries to include Canada, Mexico, UK, France, Netherlands, Spain, Italy, New Zealand, and Australia. NCTAMS LANT is providing direct support to our US and allied units to ensure NATO forces are prepared to operate seamlessly, forward and on short notice.

CTF1060/Navy Information Operations Command Maryland (NIOC MD)

NIOC MD's primary mission is to conduct information operations and to provide cryptologic and related intelligence information to the Fleet, Joint and national commanders.

♦ On Nov. 24, NIOC MD was named the 2014 Large Shore Navy Project Good Neighbor Community Service Flag Award winner. The Project Good Neighbor Award recognizes the best year-round volunteer supported program or special project that promotes outreach activities throughout the year to establish and restore hope to the community.

Navy Computers and Telecommunications Area Master Station Pacific (NCTAMS PAC)

The NCTAMS PAC team of professionals provides Navy premier telecommunication and information services to Pacific Warfighters for Naval, joint, and coalition operations in the Pacific Ocean Area of Responsibility.

♦ NCTAMS PAC provided critical voice, data and messaging Command, Control, Communications, and Computers and Intelligence (C4I) services during Exercises KOA KAI and VALIANT SHIELD, supporting 18,000 service members, 200 aircraft and 19 surface vessels. During exercise VALIANT SHIELD, NCTAMS PAC Sailors acted as trusted agents by denying communications services to afloat units, which facilitated Pacific Fleet units to develop, refine and test tactics, techniques and procedures in order to "train like they fight" through operating in a communications degraded environment.

♦ NCTAMS PAC and the JFTOC watch supported two highly successful Ballistic Missile Defense (BMD) exercises by providing secure and reliable connectivity to the Missile Defense Agency (MDA). The MDA will use test results to enhance the BMD system that protect U.S. forces, our European allies, and partners.

♦ To increase real-time situational awareness reporting to local and enterprise mission partners, NCTAMS PAC civilian cyber experts monitor and report gap analysis within the NMCI; the network operations center team under the new NGEN contract delivers 24/7 network monitoring/oversight for Pacific Theater NMCI operations, supporting U.S. PACOM and PACFLT commanders.

Naval Computer And Telecommunication Station Far East (NCTS FE)

NCTS FE's Regional Base Communications Office (BCO) delivers telecommunications services for Navy bases within Japan, and provides technical support to the BCOs of Korea, Singapore, and Diego Garcia. The BCO's most visible service is the telephony that they provide to support shore-based Navy commands as well as the home phones for personnel who live in military housing. The BCO lays the cabling infrastructure for all the voice, video, and data communications between locations on base and the long haul between bases and provides pier services to allow ships to connect to the terrestrial communications infrastructure when returning to port. Some specific initiatives that the BCO has accomplished are:

♦ The BCO improved the connectivity for ships pulling in pierside, allowing them to connect to the DODIN within 15 minutes instead of the hours it used to take. U.S. Fleet Cyber Command has recognized these "pier boxes" as a benchmark initiative for its simplification and standardization of pier connectivity.

♦ In a first ever joint venture with the U.S. Air Force, the BCO laid down 26,000 feet of fiber optic cable in support of increased operational capability and modernization at Kadena AFB in Okinawa, Japan.

CTF1080/Navy Information Operations Command Colorado (NIOC Colorado)

Embedded throughout the Aerospace Data Facility Colorado (ADF-C), NIOC Colorado Sailors manage $10 billion in national assets to provide 24/7 Indications and Warning (I&W) support to national decision makers, Fleet and Allied nation warships, and warfighters deployed throughout the world. Collaborating with the ADF-C's multi-service, multi-agency, and international work force allows for near real-time global Force Protection (FP), Personnel Recovery (PR) support, Combat Search and Rescue (CSAR), advanced technical training curriculums, and all-source collaboration to meet Fleet and Joint requirements.

♦ Since Labor Day, NIOC Colorado has provided tailored Indications and Warning (I&W) support for over 20 high value transits through potentially hostile bodies of water and critical choke points. This highly technical workforce's diligent work protected forward deployed U.S. combatants and thousands of Sailors conducting some of our nation's highest priority missions.

Navy Information Operations Command Pensacola (NIOC Pensacola)

NIOC Pensacola's mission is expanding to include establishing three Cyber Mission Force Cyber Protection Teams in FY15 and 16. These teams will plan and conduct Defensive Cyber Operations focused on mission assurance for service and combatant command specific mission areas.

♦ NIOC Pensacola remains focused on supporting Combatant Commander objectives through its Combat Support Teams providing 10 all-source intelligence products on tasked targets of interest to the supported combatant commands, Joint Force Headquarters - Cyber and its Combat Mission Team partners.

♦ Six NIOC Pensacola Combat Support Team Sailors participated in exercise Cyber Flag 15-1, providing the analytic support necessary for the exercise to meet all objectives.

♦ NIOC Pensacola currently has two Sailors deployed in support of Operation Enduring Freedom. These Sailors are providing critical intelligence to drive Special Operations Task Forces' missions focused on removing high value targets from the battlefield.

Navy Information Operations Command Yokosuka (NIOC YOKO)

NIOC Yokosuka's team consisting of 88 Sailors and civilians who provide and deploy trained Information Warfare (IW) officers and cryptologic enlisted personnel, expertise, and equipment to support Signals Intelligence (SIGINT), Information Operations (IO), Fleet Electronic Support (FES) functions, Global Signals Analysis Lab (GSAL) functions for naval surface, sub-surface, air, and Coalition forces assigned to Commander, SEVENTH Fleet in the Western Pacific theater. NIOC YOKO's Sailors have:

♦ Worked on behalf of Commander, Seventh Fleet (C7F) staff to deliver technical cryptologic operational analytics, contributing to a 150% performance increase for cryptologic operations in the Western Pacific.

♦ Dispatched one Direct Support Officer for 133 days to the USSOUTHCOM AOR to test experimental intelligence collection equipment and develop new tactics for intelligence support to Counter-Narcotics Operations. In addition, NIOC YOKO deployed one Information Technician First Class Petty Officer for a 6 month deployment onboard the USS COLE in support of Sixth Fleet Cryptologic Operations, providing I&W and valuable intelligence collection to Naval and Joint commanders. Of note, nine Sailors Deployed to six ships in the Seventh Fleet AOR to provide I&W and valuable intelligence collection.

Navy Information Operations Command (NIOC San Diego)

Deployed 55 personnel to 10 Carrier Strike Groups and Amphibious Readiness Groups, providing Information Operations planning and network support to missions in C3F, C7F, and C5F. Information Operations Teams supported over 30 fleet, multi-national, and strategic level exercises as well as real world events to include humanitarian assistance missions in Southeast Asia and the search for missing Malaysian Airline Flight 370.

♦ NIOC San Diego Sailors recently developed, tested, and fielded a network intrusion detection and security monitoring platform aboard an afloat unit capable of monitoring network traffic in real time.

♦ The command deployed 12 Sailors to complete 21 Cyber Security Inspection and Certification Program inspections across both Pacific and Atlantic Fleet, delivering global strengthening and protection of the DODIN.

Navy Information Operations Command (NIOC Whidbey Island)

NIOC Whidbey Island Signal Analysts deploy on air, land, and sea to support U.S. military efforts through Signals Intelligence. Their ability to maneuver throughout the communications spectrum allows them to derive adversary intent to aid decision makers.

♦ Recently NIOC Whidbey Island executed a large scale, complex, joint electronic maneuver warfare exercise, culminating in the development of techniques, tactics, and procedures and improved operational readiness for the U.S. Navy and U.S. Air Force.

♦ This past October, the continuous level of excellence the Sailors and civilians at NIOC Whidbey Island exhibit every day resulted in the Outstanding Unit Award and Technical Analyst of the Year Award by the AOC (Association of Old Crows).

Naval Computer and Telecommunications Station Sicily (NCTS Sicily)

NCTS Sicily delivers and defends responsive, resilient, and secure computer and telecommunications systems, providing information superiority for global maritime and joint forces.

- During the recent crisis in Libya, when NAS Sigonella was established as a primary base for local Special Purpose Marine and Ground Task Force elements, NCTS Sicily delivered a robust and responsive communications medium between forward deployed forces and local Crisis Response Team (CTR) HQs, which proved instrumental in the success of multiple joint operations to include evacuations of three embassies in Tripoli.
- In October 2014, NCTS Sicily provided invaluable assistance to allied Canadian partners by configuring local communications suite and serving as an HF Broadcast relaying station which extending HF services from Halifax to a Canadian unit operating in the Mediterranean Sea.
- The Combat Survivor Evader Locator (CSEL) located at NCTS is a system to recover downed pilots. Our system covers 50% of the earth's surface and was used to locate and assist in the recovery of the downed F-15 pilot in Libya during recent operations.

Naval Computer and Telecommunications Station Jacksonville, Florida (NCTS-JAX)

NCTS-JAX provides services to ships, submarines, P-3/8 aircraft, and shore sites throughout the Southeastern Region of the United States. The workforce consists of 60 military, 35 U.S. Civil Service, and 20 contractors. NCTS JAX:

- Operates the Southeastern strategic communications Point of Presence (POP) ensuring Defense Information Systems Agency (DISA) and BCO services are continuously available and reliable to 4th Fleet and the U.S. Central Command, enhancing their efforts in intelligence, imagery and other data gathering in support of their operations in Afghanistan and the fight against ISIL.
- Leads the Atlantic AOR High Frequency Global Communications System (HFGCS) operations that directly support P-3/8 and coalition forces' missions in the SOUTHCOM AOR, working to prevent the inflow of narcotics and terrorists crossing America's boarders.
- Delivers Nuclear Command, Control and Communication (NC3) keying to ballistic submarines ensuring our national strategic defense strategy is always ready.

Naval Computer and Telecommunications Station Guam (NCTS Guam)

NCTS Guam is the Joint Region Marianas communications service provider and provides multispectral connectivity, NetOps and Information Assurance to Navy, Joint, and Coalition forces on Guam and the Western Pacific and Indian Oceans. The command has been providing uninterrupted communication services to the Western Pacific since 24 July 1944 and this year is celebrating the 70th anniversary as the Navy's premiere WESTPAC communications service provider. The workforce is comprised of 42 military, 150 U.S. Civil Service, and 15 contractor personnel.

- Recently, the NCTS Guam Team successfully provided voice and data communications support during Exercise Valiant Shield 2014 for CTF-72, VRC-30, VAQ-138, and MAG-12, as well as multiple USAF fighter, bomber, tanker, and drone squadrons.
- Recently the command was recognized by DISA PAC as both the SATCOM and DSN Multi-Function Switch (MFS) Facilities of the Year, as well as the DISN Node Site Coordinator of the Year.

Navy Information Operations Detachment Seoul (NIOD Seoul)

NIOD Seoul conducts Information Operations and provides cryptologic support to fleet combatants and shore commands throughout the Korean Theater of Operations (KTO).

- The Sailors at NIOD Seoul provide unrivaled network and IT support to ensure the availability of critical networks that span the KTO. Personnel deliver Tier 1 system administration, wide-area network, and message traffic support for allied members of United States Forces Korea. NIOD Sailors provide direct support to Joint Service personnel and help to manage a $13M communications infrastructure at multiple operations centers.
- NIOD Seoul produces thousands of time sensitive reports annually to support real world and exercise operations throughout the theater.